

Fig. 1

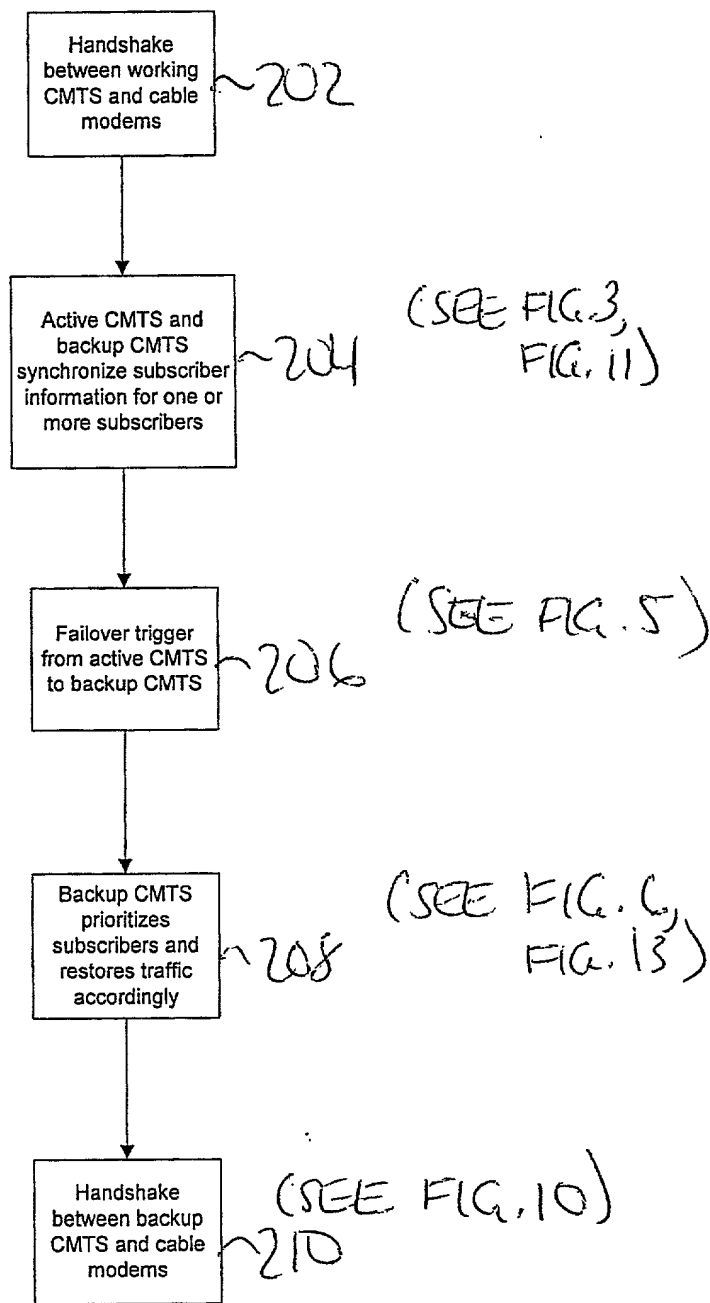


FIG. 2

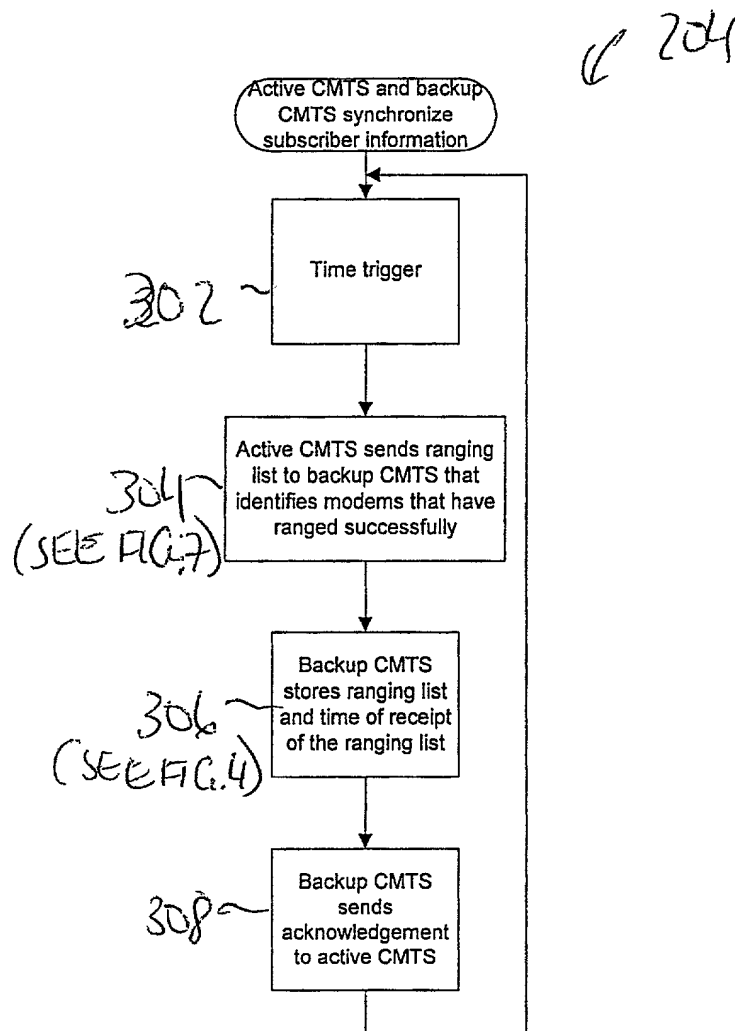


FIG. 3

~404 ~406

Modem ID	MAC address
ID1	MAC1
ID2	MAC2
.	.
.	.
IDN	MACN
Time of arrival t1	

} 402

~408

~412 ~414

Modem ID	MAC address
ID1	MAC1
ID2	MAC2
.	.
.	.
IDN	MACN
Time of arrival t2	

} 410

~416

FIG. 4

2025-07-23 10:58:07

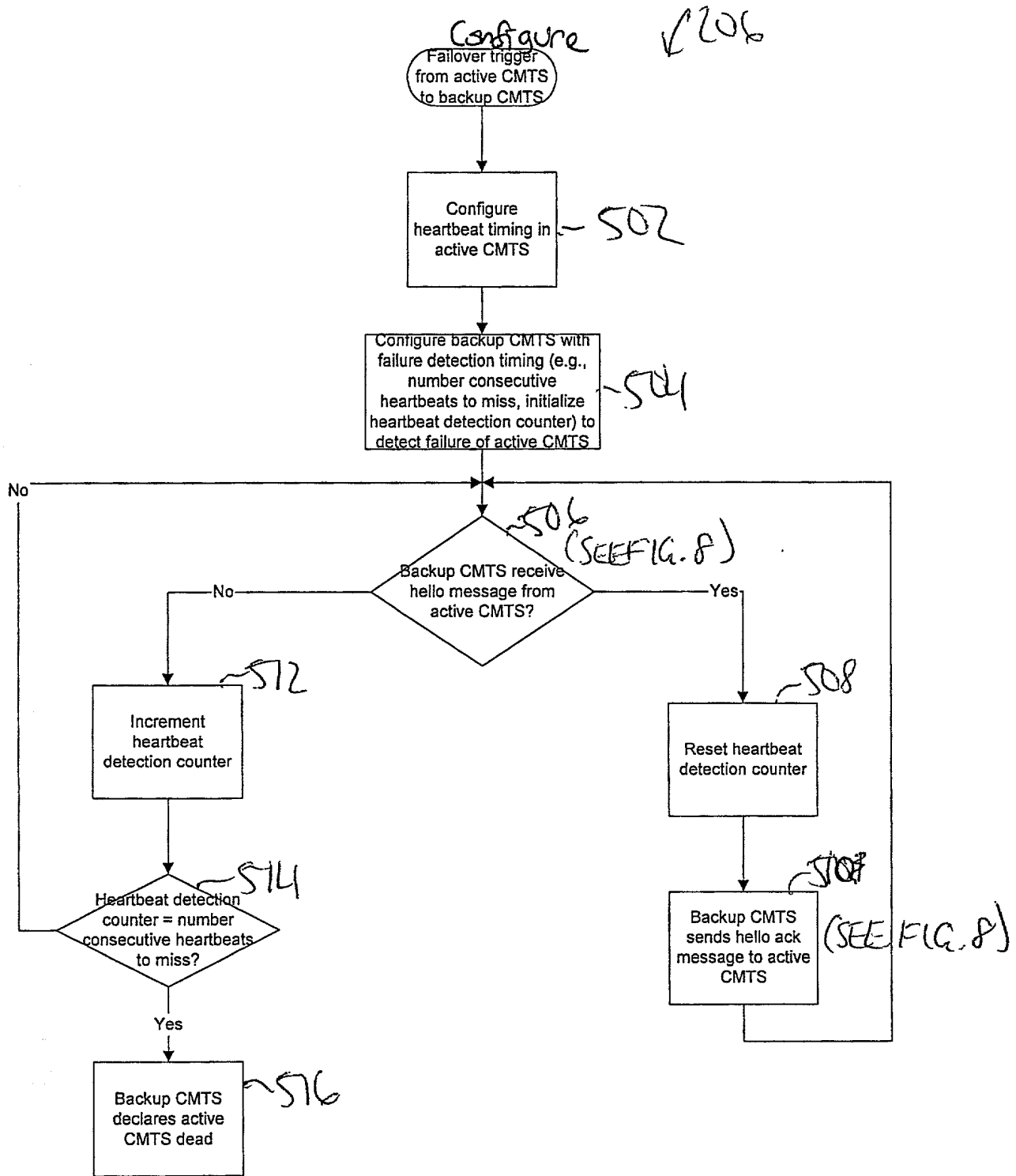


FIG. 5

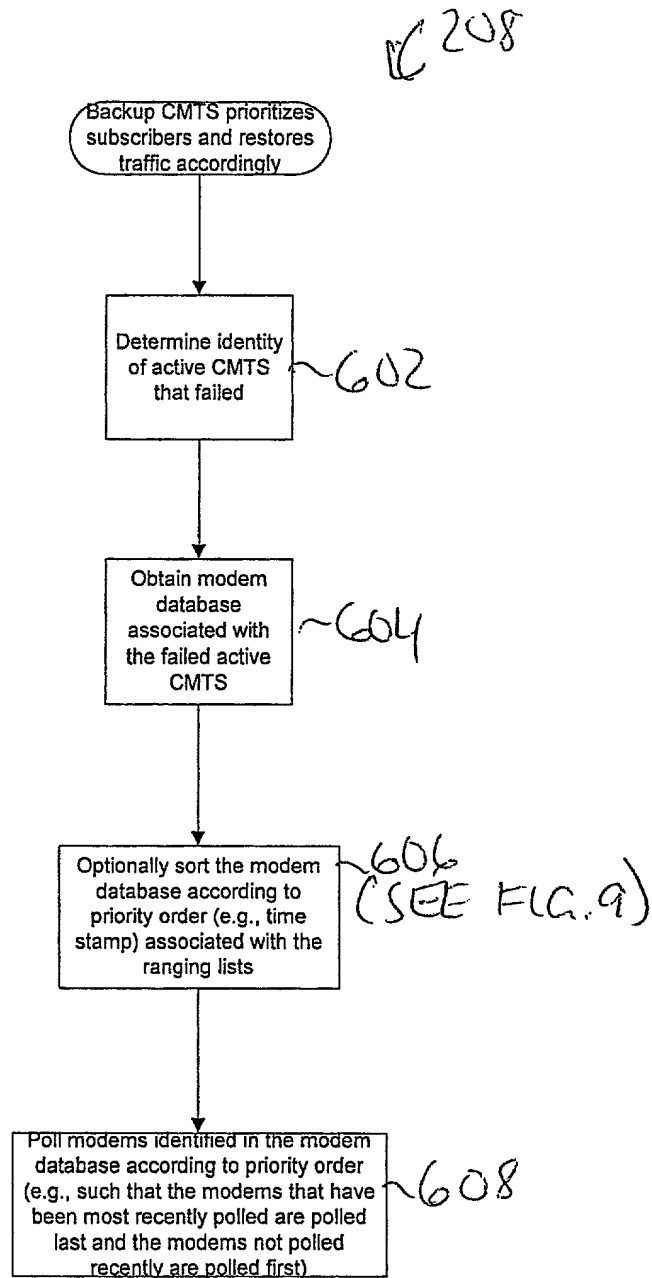


FIG. 6

20250722 012802

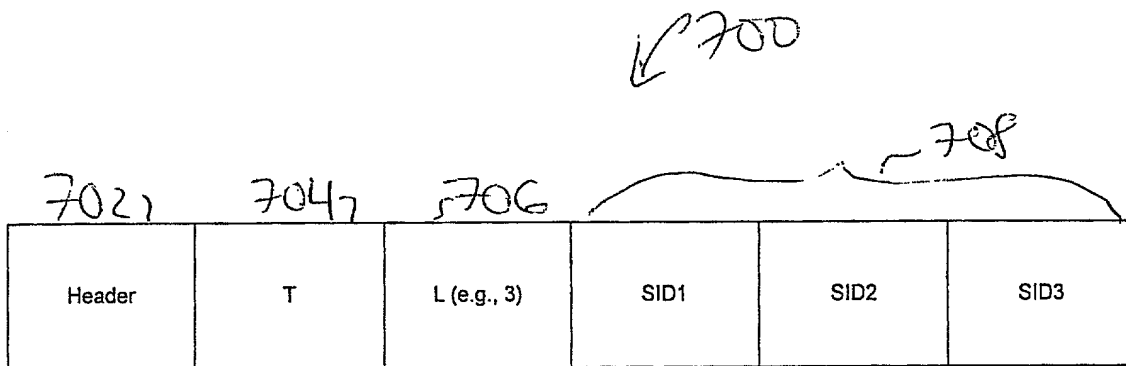


FIG. 7

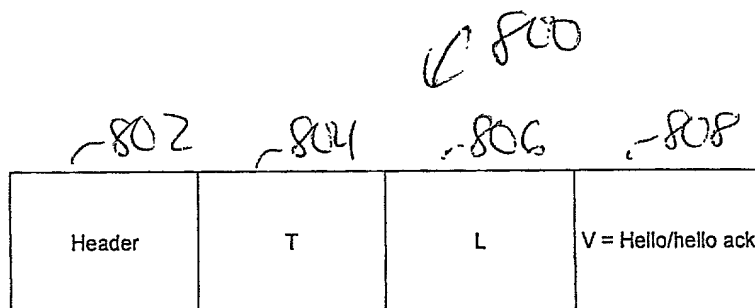


FIG. 8

20250722 01:30:21

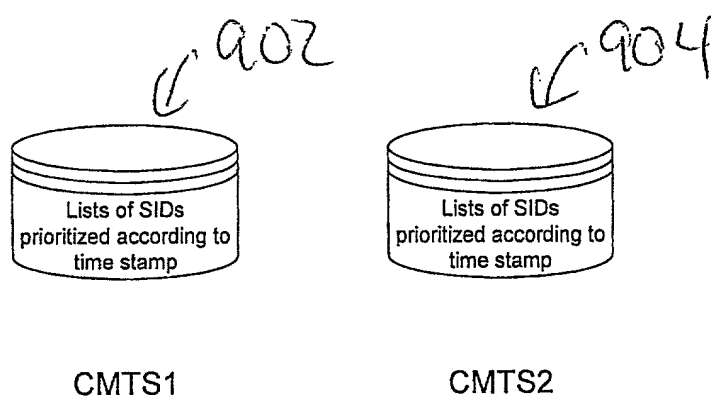


FIG. 9

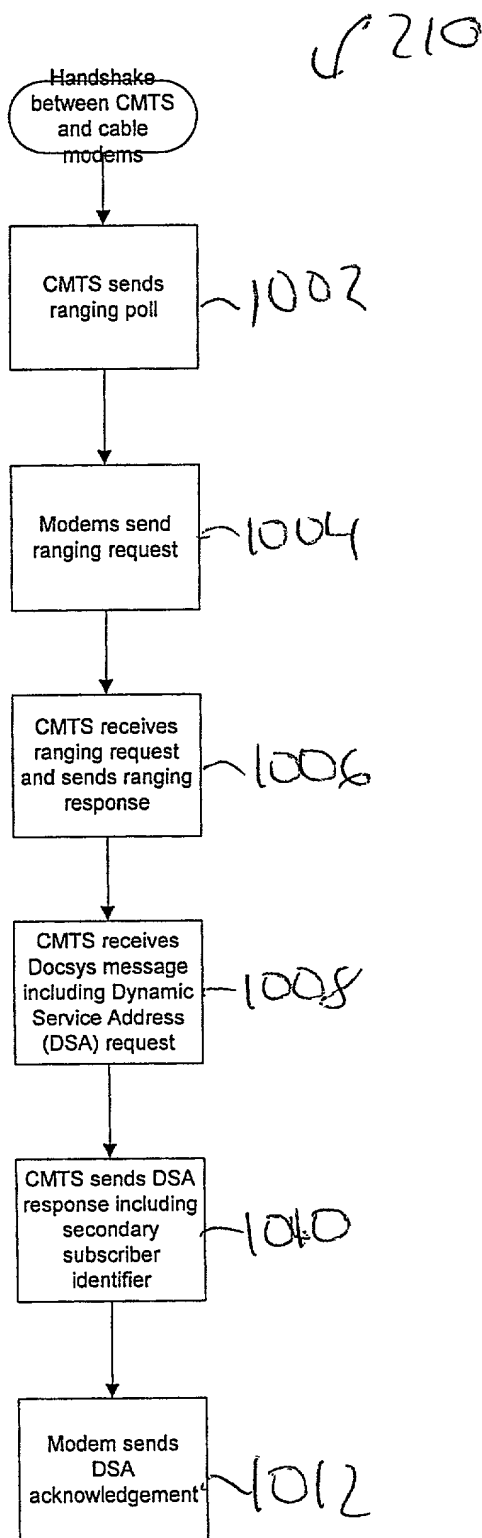


FIG. 10

Active CMTS and backup
CMTS synchronize
subscriber information

204

Event trigger (e.g.,
new call)

1102

Active CMTS sends sync
message to backup CMTS
~~that has ranged successfully,~~
which includes subscriber
information

(SEE FIG. 12)

1104

Backup CMTS
stores subscriber
information
obtained from the
sync message

1106

Backup CMTS
optionally stores
time of receipt of
the sync message

1108

Backup CMTS
sends
acknowledgement
to active CMTS

1110

FIG. 11

1200

Sync message

Primary subscriber ID	1202	Secondary subscriber ID	1204
Service template including QOS requirements (e.g., scheduling type)	1206		
Packet classifier	1208		

FIG. 12

10059742-012302

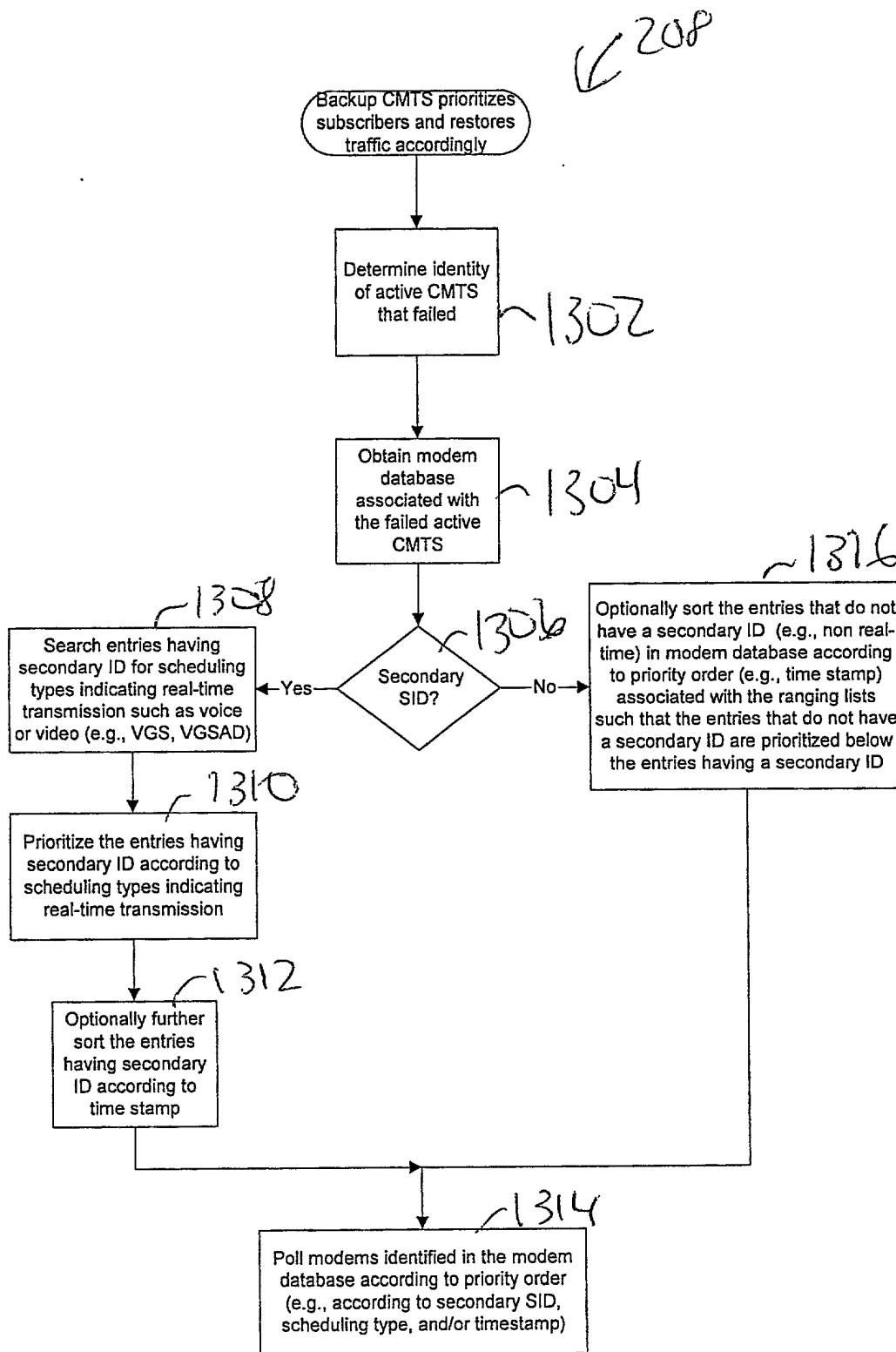


FIG. 13

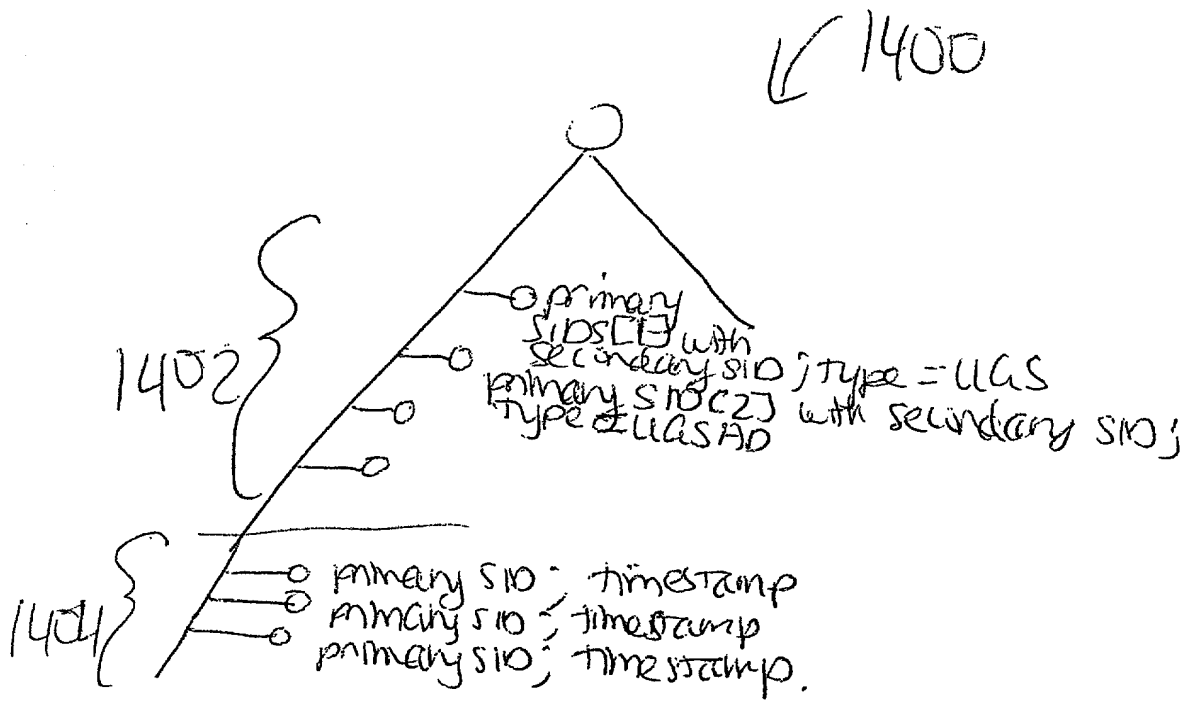


FIG. 14

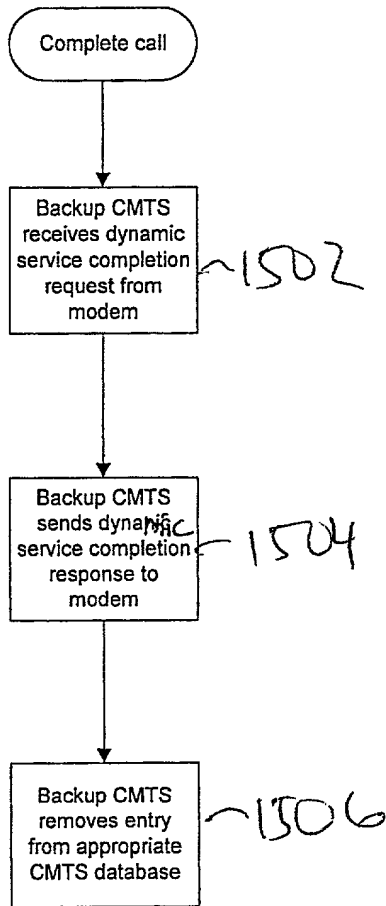


FIG. 15

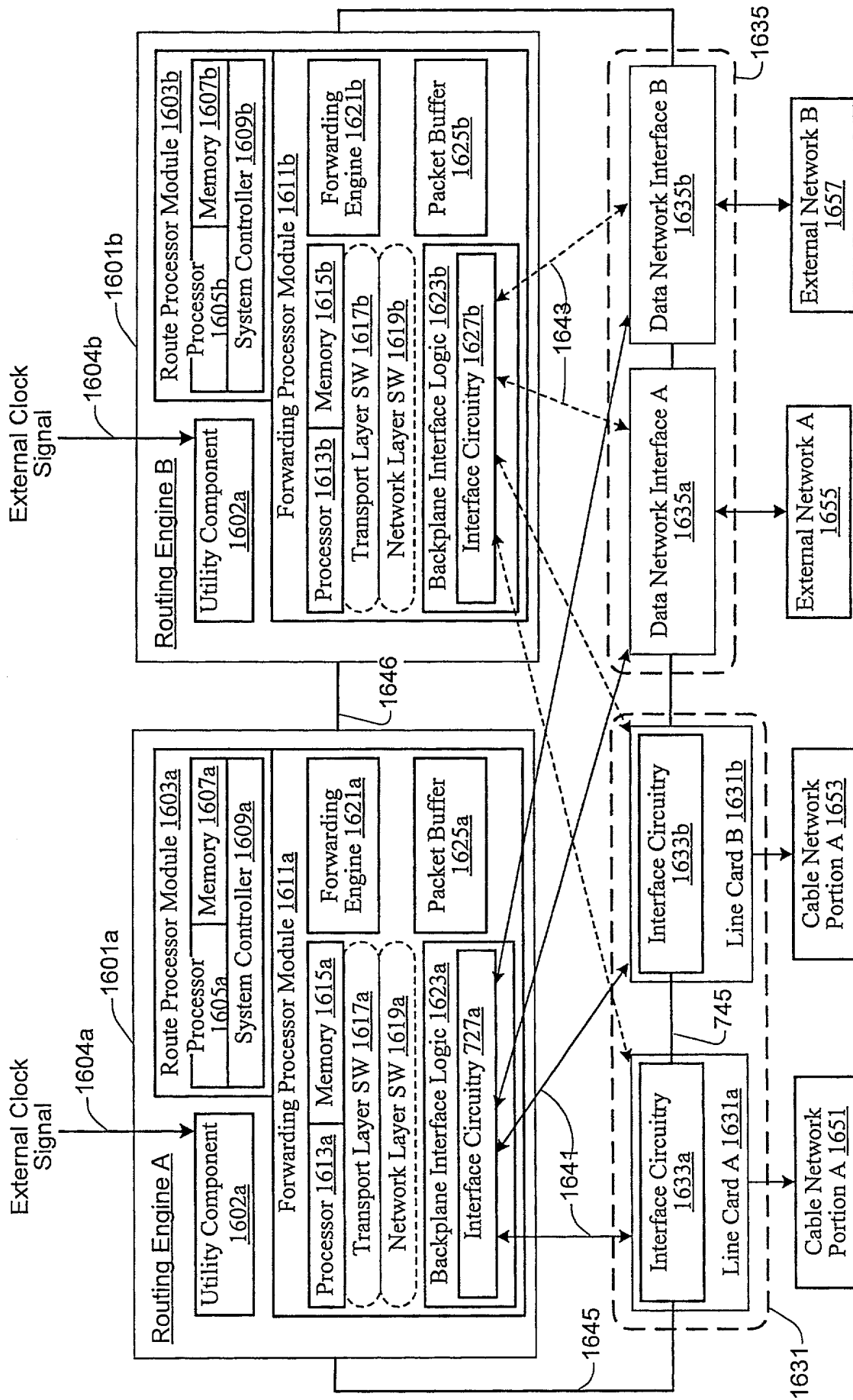


Figure 16 1600

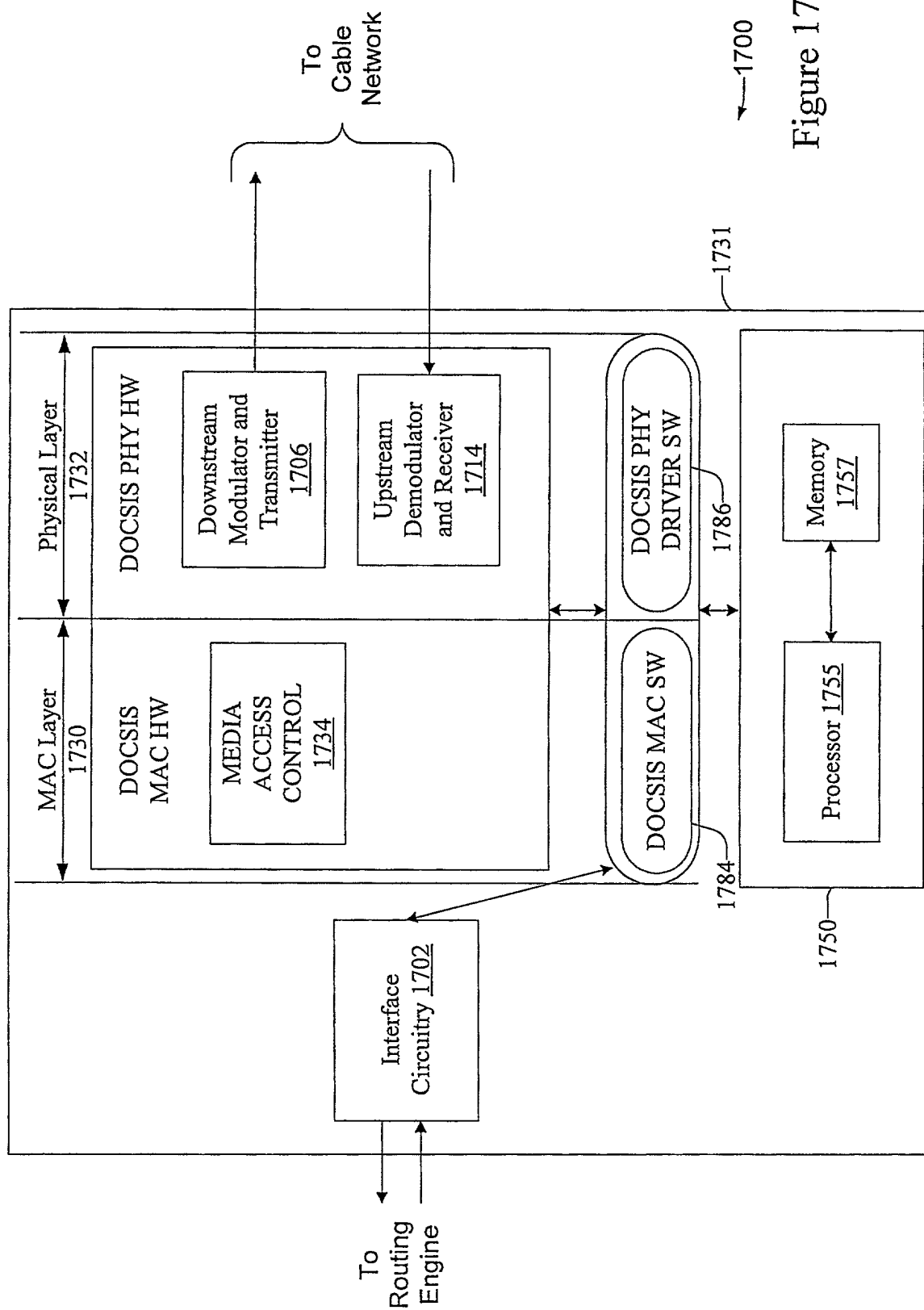


Figure 17

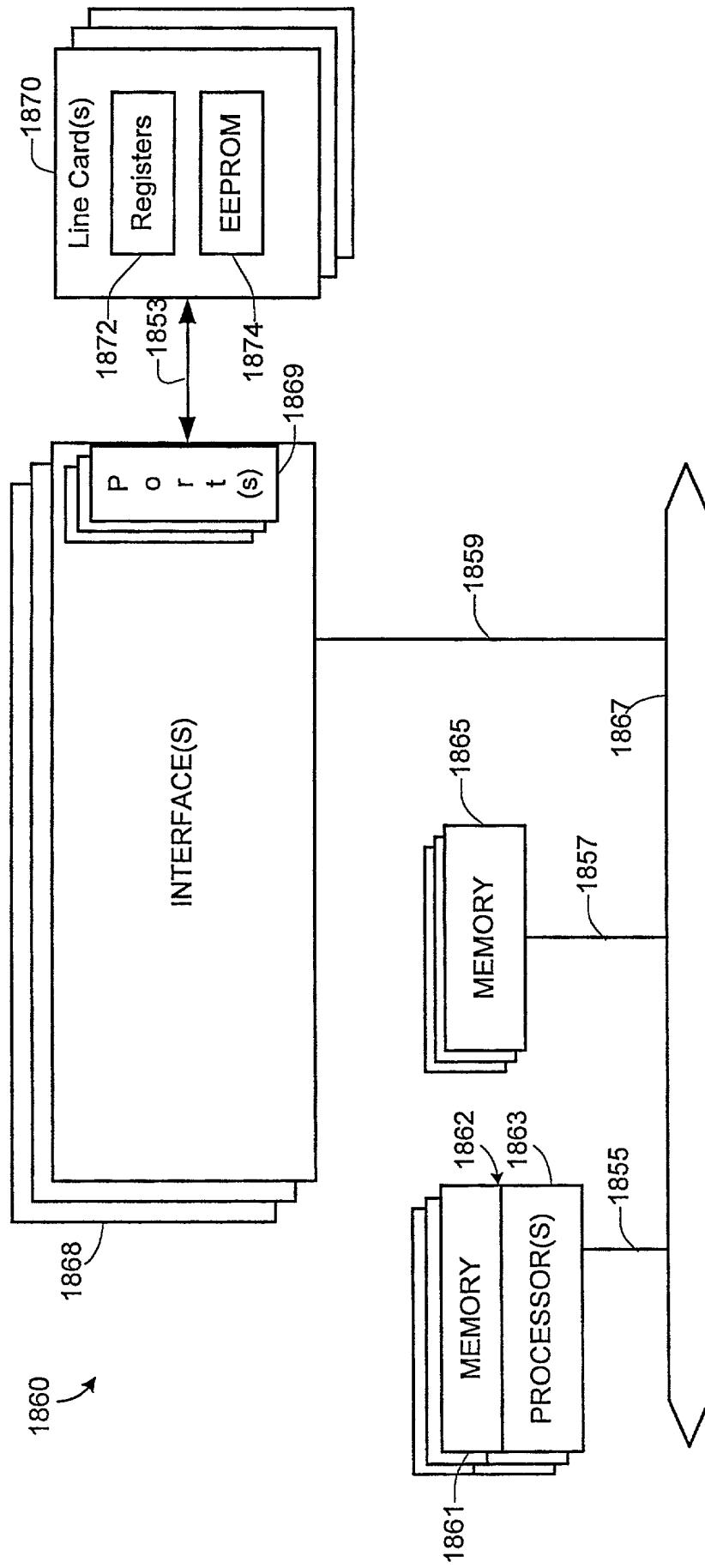


Figure 18